



GREAT VALLEY PRODUCTS
657 CLARK AVENUE
KING OF PRUSSIA, PA 19406
U.S.A.

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CONFIDENTIAL - DSS16 PCMCIA + I/O BOX - COST ESTIMATE - MARCH 11, 1994 S. WICKHAM / M. FISHER

SUMMARY OF COST ESTIMATES AS OF MARCH 11, 1994 BASED ON 5K+ QUANTITY

GRAND TOTAL - SHIP ASSY W/ METAL BOX	\$139.42
GRAND TOTAL - SHIP ASSY W/ PLASTIC BOX	\$145.07

	TOTAL LAB / MAT'L W/O DES / TOOL	LABOR GVP	LABOR SUBS	PARTS	EST TOOLING	DESIGN
TOTAL METAL BOX W/ CABLE	29.72	1.50	6.00	22.22	2000.00	500.00
TOTAL PLASTIC BOX W/ CABLE	35.37	1.50	8.00	25.87	30000.00	8000.00
TOTAL PCMCIA CASED UNIT	103.70	0.00	38.60 ✓	65.10	N/A	IN HOUSE
TOTAL BOX, BOOK, DISK ETC. ESTIMATE	6.00	1.00	0.00	5.00	TBD	TBD

	FEB 7 PARTS	TOTAL SUB	GRAND TOTAL	MAR 11 PARTS	TOTAL SUB	GRAND TOTAL
C-CENTINIAL QUOTE INCLUDES	72.97	33.60	106.57	65.10	38.60	103.70
BARE BOARD - 4 LAYER		6.40	INC - 6LAYER-3/7		9.40	EST
LABELS 2- 3 COLOR		2.10			2.10	
HOUSING		4.00			4.00	
15 PIN CONNECTOR		3.25			3.25	
68 PIN CONNECTOR		2.75			2.75	
PCB ASSY LABOR		11.10			11.10 ←	
FINAL ASSEMBLY		3.00			3.00	
TESTING		1.00	EST		3.00	EST

PCMCIA BOM		USE	FEB 7 COST	FEB 7 TOTAL	MAR 11 COST	MAR 11 TOTAL
PART	TYPE					
CAP	.1uF	20	0.03	0.66	0.03	0.66
	1uF	2	0.12	0.23	0.12	0.23
	10uF	5	0.11	0.57	0.11	0.57
	1000pF	2	0.03	0.07	0.03	0.07
	40pF	4	0.03	0.13	0.03	0.13
	68pF	1	0.03	0.03	0.03	0.03
	.33uF	6	0.04	0.23	0.04	0.23
	2700pF	2	0.03	0.07	0.03	0.07
	.015uF	2	0.03	0.07	0.03	0.07
	2200pF	2	0.03	0.07	0.03	0.07
	.039uF	2	0.03	0.07	0.03	0.07
FERRITE		2	0.15	0.30	0.15	0.30
RES	10K	8	0.01	0.05	0.01	0.05
	2 OHM	2	0.01	0.01	0.01	0.01
	33 OHM	1	0.01	0.01	0.01	0.01
	5.6K	4	0.01	0.03	0.01	0.03
	1K	6	0.01	0.04	0.01	0.04
IC CRYSTAL	CS4241-KQ	1	15.35	15.35	14.00	14.00
IC TI	74ACT2235-60PM	1	11.00	11.00	10.50	10.50
IC ATMEL	AT27C256R	1	3.00	3.00	2.65	2.65
IC XILINX	XC1718DPD8C	1	2.25	2.25	2.25	2.25
IC XILINX	XC2018-70TQ100C	1	16.50	16.50	10.94	10.94 ←
IC YAMAHA	YMF262/YAC512	1	15.00	15.00	14.50	14.50
IC, MOT	MC34072	1	0.75	0.75	0.62	0.62
IC, MOT	MC34074	1	1.50	1.50	0.86	0.86
OSC	14.318MHZ	1	2.00	2.00	3.50	3.50
FOX XTAL	24.576MHZ	1	1.50	1.50	1.33	1.33
FOX XTAL	16.9344MHZ	1	1.50	1.50	1.33	1.33



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PART	TYPE	USE	COST	TOTAL
METAL BOX W/ WIRED 15 PIN CABLE BOM				TOTAL
TBA	PCB, BARE	1	3.00	29.72
721040	CAP, 220 PF NPO SMT0805	2	0.03	3.00 EST
721094	CAP, 10 UF, 6V, SMT B	6	0.11	0.05
TBA	CAP, 330 UF, RADIAL, 6.3V 5MM	2	0.09	0.68
721007	CAP, 1 UF 16V SMT A	6	0.12	0.18
721048	CAP, .1 UF Z5U CHIP, 0805	4	0.03	0.69
721002	CAP, 100 PF SMT0805	4	0.03	0.13
721015	CAP, 47 PF SMT0805	6	0.03	0.10
TBA	CAP, 220 UF, RADIAL, 6.3V 5MM	2	0.09	0.20
TBA	JACK3.5 MM STREO W/ 2 SPST	4	0.68	0.18
741001	F-BEAD, 4.5MM X 1.6MM SMT	8	0.09	2.72
711116-01	RES, 10K OHM, 1%, 0805	6	0.01	0.75
TBA	RES, 8.66K OHM 1% 0805	2	0.01	0.06
TBA	RES 5.62K OHM 1% 0805	4	0.01	0.02
711123-01	RES, 47.5K OHM1%, CHIP, 0805	2	0.01	0.04
TBA	RES, 100 OHM 1% 0805	2	0.01	0.02
TBA	IC, AD SSM2135D SO	1	2.00	0.02
TBA	METAL CASE -TOP / BOTTOM	1	4.25	2.00
TBA	CABLE, 13"	1	7.12	4.25 EST
GVP LABOR		1	1.50	7.12
SUB CONTRACTOR LABOR ASSY /TEST		1	6.00	1.50 EST

PLASTIC BOX W/ WIRED 15 PIN CABLE BOM				TOTAL
TBA	PCB, BARE	1	3.00	35.37
721040	CAP, 220 PF NPO SMT0805	2	0.03	3.00 EST
721094	CAP, 10 UF, 6V, SMT B	9	0.11	0.05
720008	CAP, 470 UF, RADIAL, 16V	3	0.09	1.03
721007	CAP, 1 UF 16V SMT A	9	0.12	0.27
TBA	CAP, 1 UF 1206 CERAMIC 25 V	2	0.11	0.27
721048	CAP, .1 UF Z5U CHIP, 0805	6	0.03	1.04
721017	CAP, 47 UF, 16V, CC POL D7243	1	0.25	0.22
721051	CAP, 22 UF 6V SMT C	1	0.25	0.20
721099	CAP, .033 UF, SMT0805	1	0.07	0.25
721107	CAP, .047 UF, X7R, SO0805	1	0.02	0.07
721015	CAP, 47 PF SMT0805	7	0.03	0.02
721002	CAP, 100 PF SMT0805	4	0.03	0.23
TBA	JACK3.5 MM STREO W/ 2 SPST	4	0.68	0.10
741001	F-BEAD, 4.5MM X 1.6MM SMT	8	0.09	2.72
711116-01	RES, 10K OHM, 1%, 0805	11	0.01	0.75
TBA	RES, 8.66K OHM 1% 0805	2	0.01	0.11
TBA	RES 5.62K OHM 1% 0805	4	0.01	0.02
711123-01	RES, 47.5K OHM, 1%, CHIP 0805	2	0.01	0.04
TBA	RES, 2.21K OHM 1% 0805	1	0.01	0.02
TBA	RES, 432 OHM 1% 0805	1	0.01	0.01
TBA	RES, 100 OHM 1% 0805	2	0.01	0.01
TBA	RES, 182 OHM 1% 0805	2	0.01	0.02
TBA	RES, 2.74 OHM 1% 0805	1	0.01	0.02
TBA	IC, AD SSM2135D SO	1	2.00	0.01
TBA	POTENTIOMETER 10K AUDIO TAPER	1	0.89	2.00 EST
TBA	AUDIO AMP BI-POL LM390	1	1.00	0.89
TBA	IC, MC34072	1	0.62	1.00 EST
TBA	MICROPHONE, MICROPHONE	1	0.53	0.62
TBA	PLASTIC HOUSING 3 PIECE SET	1	1.50	0.53
TBA	CABLE, 13"	1	7.12	1.50 EST
TBA	SPEAKER, 2.5" 1.5W	1	1.75	7.12
GVP LABOR		1	1.50	1.75
SUB CONTRACTOR LABOR ASSY /TEST		1	8.00	1.50 EST

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